

CLAIMS

What is claimed is:

- 1 1. An antenna comprising a mast, a block carried by said mast, said block
2 having a plurality of bores therein, and conductive rods slidably received
3 in at least some of said bores.

- 1 2. The antenna of claim 1 further comprising a passageway communicating
2 with each said bore adapted to receive a set screw to hold said rods at a
3 selected position within said bores.

- 1 3. The antenna of claim 1 wherein said block includes an additional bore to
2 receive said mast and at least one passageway communicating with said
3 additional bore adapted to receive a set screw to hold said block on said
4 mast.

- 1 4. The antenna of claim 1 wherein said block is generally cylindrical.

- 1 5. The antenna of claim 4 wherein said bores extend generally chordally
2 through said block.

- 1 6. The antenna of claim 5 wherein each said bore forms opposed apertures
2 in said block, said apertures being approximately 120 degrees of each
3 other.

- 1 7. The antenna of claim 5 wherein there is a first set of three axially spaced
2 bores.

- 1 8. The antenna of claim 7 wherein there is a second set of three axially
2 spaced bores, said bores of said second set each being axially spaced
3 from an adjacent bore of said first set of bores.

- 1 9. The antenna of claim 4 wherein said block includes an axial bore to
2 receive said mast.

- 1 10. The antenna of claim 1 further comprising a coil positioned on said mast.
- 1 11. The antenna of claim 1 wherein each said bore forms opposed apertures
2 in said block and said rods extend out of said apertures approximately an
3 equal distance from said block.
- 1 12. The antenna of claim 1 wherein each said bore forms opposed apertures
2 in said block and said majority of the length of rods extend out of one of
3 said apertures.
- 1 13. A method of constructing an antenna having a mast carrying a coil and a
2 plurality of rods comprising the steps of identifying a desired frequency of
3 operation for the antenna, selecting the size of the coil and the
4 configuration of the rods which will provide approximately the desired
5 frequency, and constructing the antenna with the selected coil and rod
6 configuration.
- 1 14. The method of claim 13 wherein the step of selecting includes the step of
2 identifying the rod configuration which will provide approximately the
3 desired frequency using the smallest coil.
- 1 15. The method of claim 13 wherein the step of selecting includes the step of
2 selecting the number of rods in the configuration of rods.
- 1 16. The method of claim 15 wherein three rods or six rods can be selected.
- 1 17. The method of claim 13 wherein the step of selecting includes the step of
2 selecting the position of the rods relative to the mast.
- 1 18. The method of claim 13 wherein the step of selecting includes the step of
2 selecting the length of the rods.

- 1 19. The method of claim 18 wherein the step of selecting includes the step of
2 selecting the number of rods in the configuration of rods.
- 1 20. The method of claim 19 wherein the step of selecting includes the step of
2 selecting the position of the rods relative to the mast.
- 1 21. The method of claim 13 further comprising the step of adjusting the
2 frequency of the antenna.
- 1 22. The method of claim 21 wherein the step of adjusting includes the step of
2 adding a stinger to the antenna.
- 1 23. The method of claim 21 wherein the step of adjusting includes moving the
2 rods relative to the mast.
- 1 24. A method of constructing an antenna having a mast carrying a plurality of
2 rods comprising the steps of selecting the number of rods, selecting the
3 length of the rods, and determining the positioning of the rods relative to
4 the mast.
- 1 25. The method of claim 24 wherein the selecting and determining steps are
2 dictated by the desired frequency of operation.
- 1 26. The method of claim 25 further comprising the step of selecting a coil for
2 the antenna based on selecting and determining steps.
- 1 27. The method of claim 24 further comprising the step of adjusting the
2 frequency of the antenna.
- 1 28. The method of claim 27 wherein the step of adjusting includes the step of
2 adding a stinger to the antenna.

- 1 29. The method of claim 28 wherein the step of adjusting includes moving the
2 rods relative to the mast.